



# **E-470 AND EXPRESSTOLL**

*E-470 Board Chair and Town of Parker  
Council Member John Diak*

*E-470 Executive Director Beau Memory*



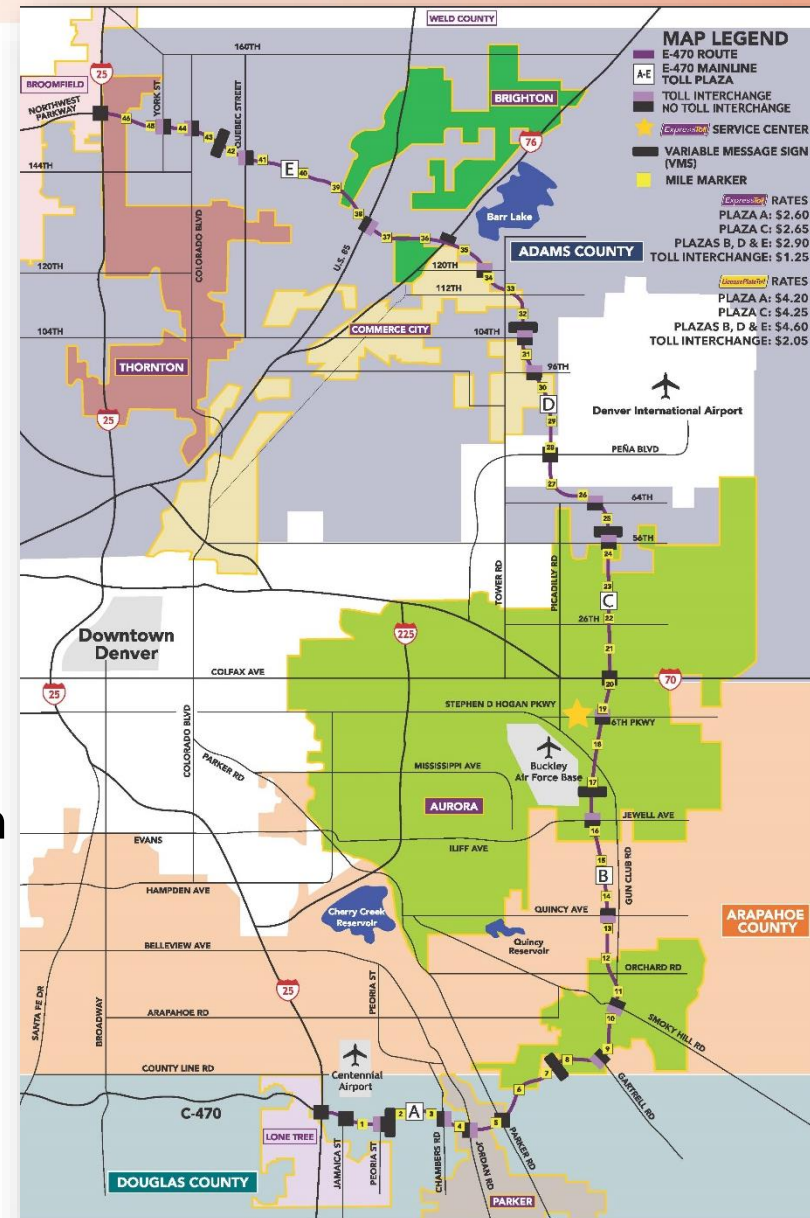
# ABOUT US

- Colorado political subdivision
  - Local government owned and operated
  - Governed under PHA law by a Board of Directors:
- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• <b>8 Voting Members</b><ul style="list-style-type: none"><li>▪ Parker, <b>John Diak, Board Chair</b></li><li>▪ Aurora, <b>Françoise Bergan, Vice Chair</b></li><li>▪ Commerce City, <b>Craig Hurst, Secretary</b></li><li>▪ Brighton, <b>Jan Pawlowski, Treasurer</b></li><li>▪ Adams County, <b>Chaz Tedesco, Commissioner</b></li><li>▪ Arapahoe County, <b>Bill Holen, Commissioner</b></li><li>▪ Douglas County, <b>George Teal, Commissioner</b></li><li>▪ Thornton, <b>Jessica Sandgren, Mayor Pro Tem</b></li></ul></li></ul> | <ul style="list-style-type: none"><li>• <b>8 Non-Voting Members</b><ul style="list-style-type: none"><li>▪ Arvada</li><li>▪ Broomfield</li><li>▪ CDOT</li><li>▪ DRCOG</li><li>▪ Greeley</li><li>▪ Lone Tree</li><li>▪ RTD</li><li>▪ Weld County</li></ul></li></ul> |
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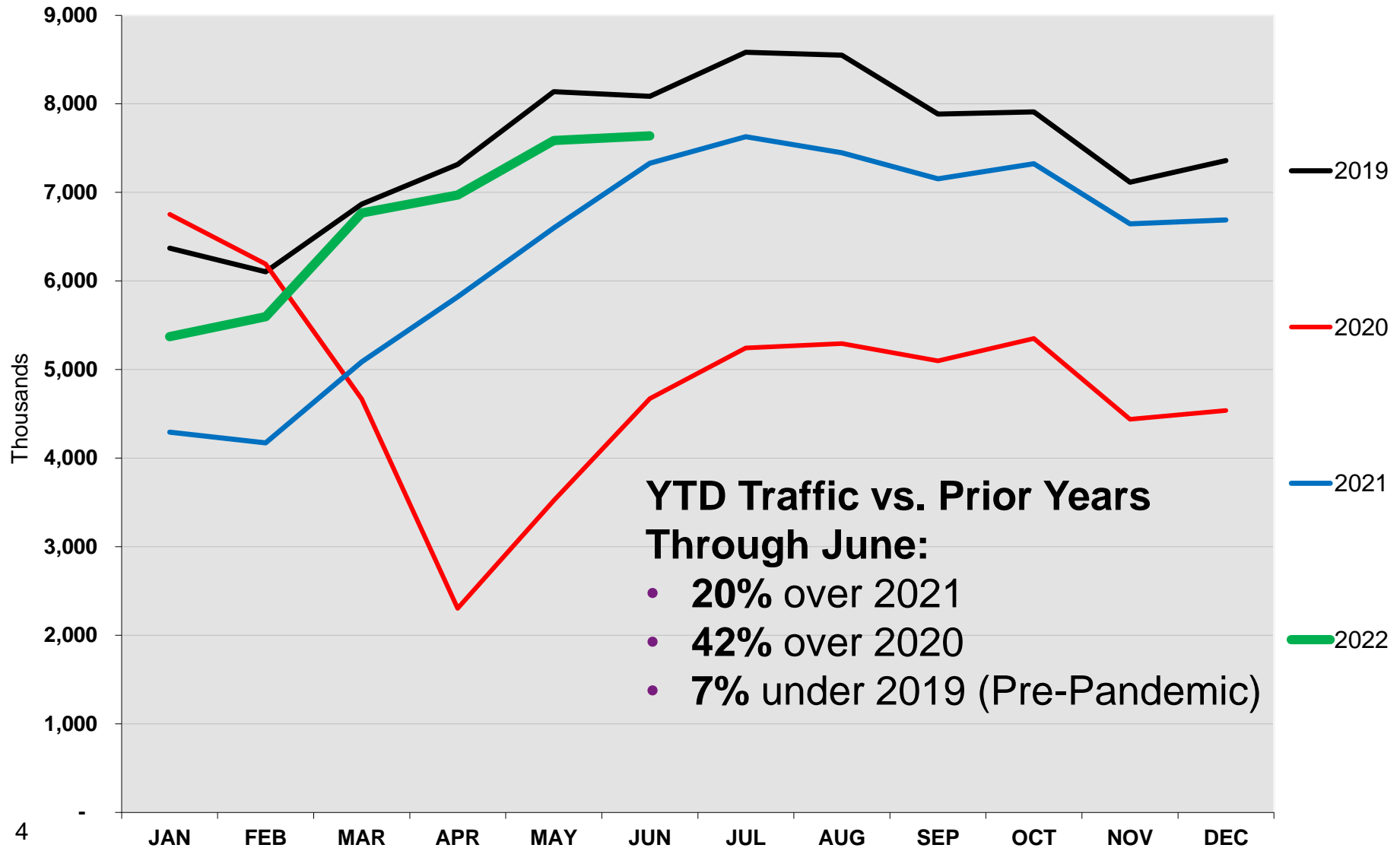


# BACKGROUND

- 47-mile all-electronic public toll road
- 1991 – Opened first segment (south)
- 2003 – Opened last segment (north)
- 2009 – Conversion to cashless tolling
- User-financed: **NOT TAX FUNDED**
- \$1.3 billion in outstanding bond debt
- Current Annual debt payments \$100 million
- Scheduled to be paid off in **2041**
- Also manage tolling services CDOT/CTIO



# TRAFFIC TRENDS 2019 - 2022



# OPPORTUNITIES FOR SAVINGS

- **Toll Rate Reductions and Adjustments**
  - **2022:** Reduced ExpressToll and License Plate Toll® (LPT) rates
  - **2020-Present:** Reduced 3+ Axle ExpressToll® rates
  - **2020-2021:** Froze LPT rates
    - **2018-2021 (4 Years):** Froze ExpressToll rates
  - **2018:** Reduced Rate at Toll Plaza C
- **Elimination of Fees**
  - **2017:** Highway Expansion Fees
  - **2018:** Vehicle Registration Fees



# REGIONAL PARTNER

- Quincy Avenue/Gun Club Road Interchange – **Arapahoe County and City of Aurora**
- Future Parker Road Overpass for High Plains Trail – **Arapahoe County**
- Stephen D. Hogan Parkway – **City of Aurora**
- 64th Avenue Expanded Interchange – 64th ARI Authority
- 38th Avenue Interchange - ARTA
- Quebec Interchange – **City of Thornton**
- Tower Road/Peña Ramp – **Commerce City**
- 120<sup>th</sup> Avenue Interchange Signals – **Commerce City**
- Chambers Interchange – **Douglas County**
- Electrical Charging – **RAQC**
- Future Intersection Signals – Master Plan



# UPCOMING IMPROVEMENTS

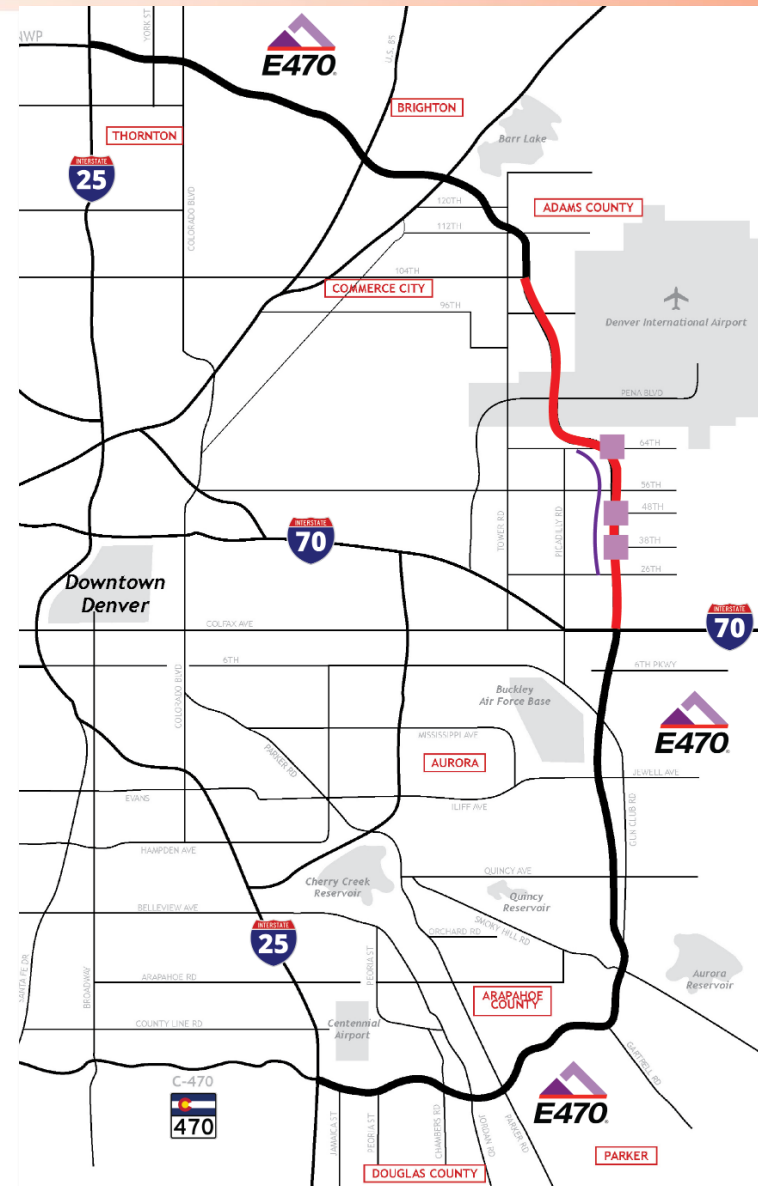
- Self-funded **Capital Plan** 2022-2026 (5 Years) estimated at \$500M
- Reinvests back into the roadway through several improvement projects including:
  - Road widening
  - New interchanges to stay ahead of development & growth
  - Trail extensions
  - Technological advances in lane toll system & back office software
- E-470 **Master Plan** identifies more than \$1.5B in capital, infrastructure, and improvements between 2020-2040



# ROADWAY WIDENING PROJECT

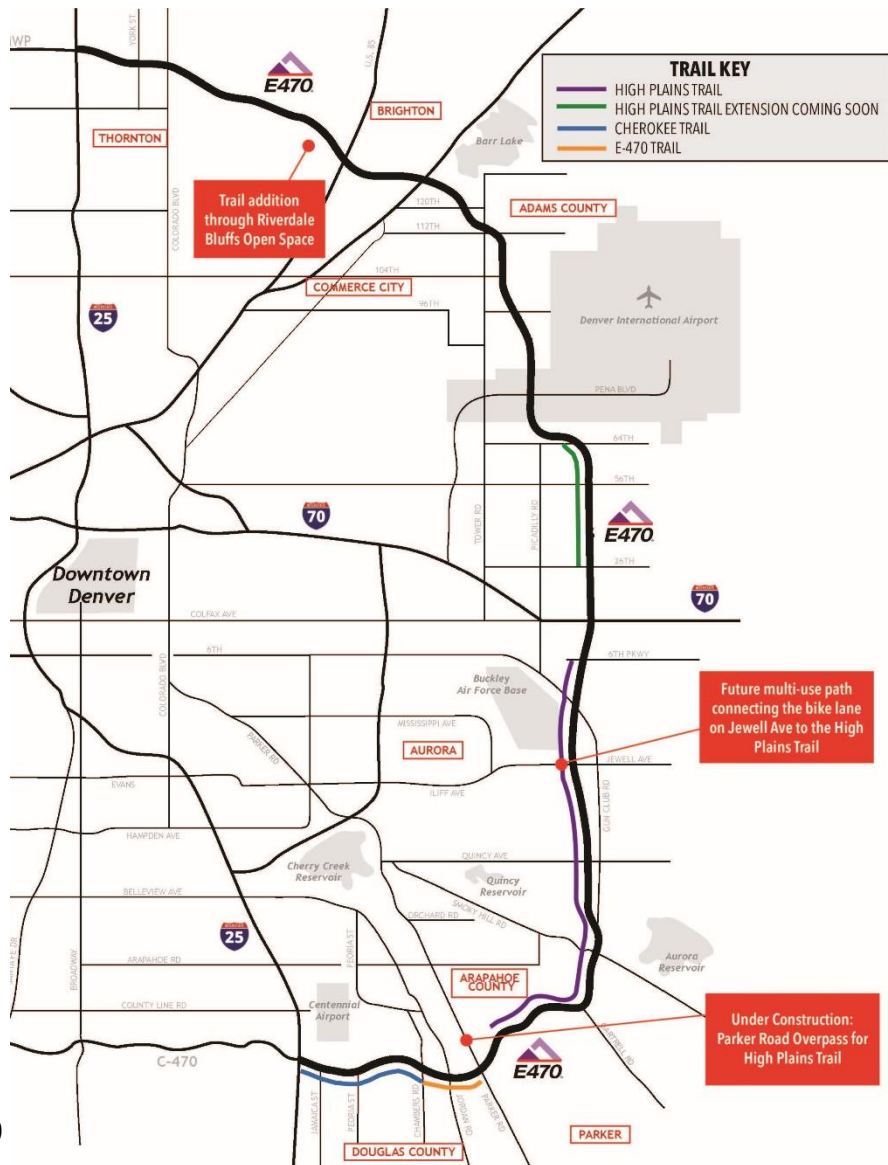
## NEXT PHASE: I-70 to 104<sup>th</sup> Ave (11 miles)

- Widening to 3 travel lanes each direction; bridges for ultimate build out of 4 travel lanes
- Construction anticipated to start end of summer 2022
- Other Enhancements:
  - 38<sup>th</sup> Ave – New Interchange
  - 48<sup>th</sup> Ave – New Interchange
  - 64<sup>th</sup> Ave – Expansion
  - Pena Blvd – Expansion
  - Extension of High Plains Trail: 26<sup>th</sup> to 64<sup>th</sup> Avenues





# FROM THE TOLLWAY TO THE TRAILWAY



- E-470 has built more than **12.5 miles** of the High Plains Trail
- Trail will be extended **another 4 miles** with latest road widening project
- Goal is to provide better connections for people on foot and on bikes to existing trails in the region including the Cherry Creek, Piney Creek, Happy Canyon, and C-470 Trails
- E-470 plans to continue partnering with its member jurisdictions on other trail projects in the region.



# ENVIRONMENTAL STEWARDS

## Supporting Electric Vehicles (EV)

- Upgraded EV charging stations outside ExpressToll Service Center walk-up entrance (2022)
  - Allows four EVs to charge simultaneously instead of two
  - Delivers an **80% charge** in approximately **30 minutes**



## Solar Panels

- **22** Solar Arrays
- **10** Years Energy Production
- **11M** Total Kwh Solar Energy Produced  
(Enough to cancel out over 5.7M vehicle miles traveled!)
- **4** Buildings With Solar Arrays
- **18** Ramps With Solar to Power Lighting & Toll Infrastructure

# ECONOMIC IMPACT IN REGION

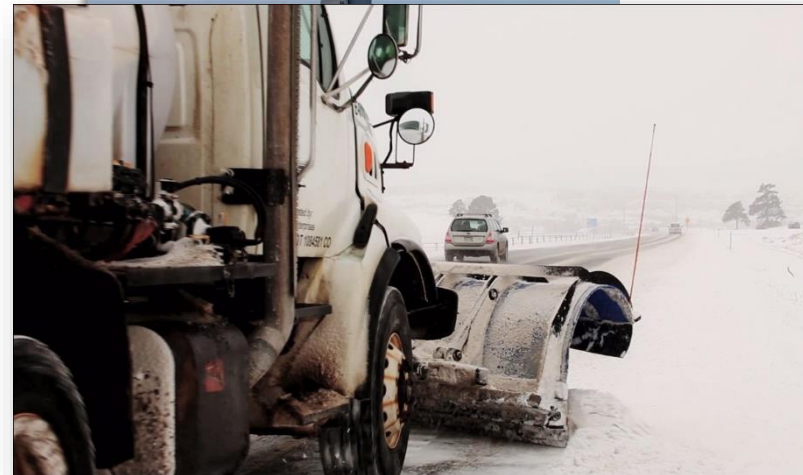
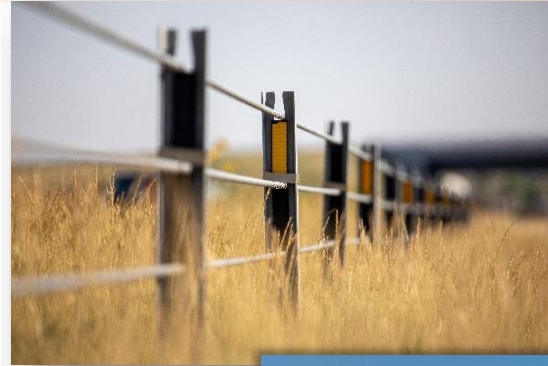
- 2016 study documented the multiple facets of economic impact that E-470's mobility contributes to the region
- Study updated in 2020 to show that in 2019:





# COMMITMENT TO SAFETY

- Wrong-way driver prevention
- Cable barrier to prevent crossover
- Protecting wildlife & customers
  - Deer fence installation
- 24/7 Roadside Assistance
- Variable Message Signs
- Snow Removal
  - 4 maintenance facilities
  - 12 weather stations
  - 280,000 gallons magnesium chloride
  - 9,600 tons solid deicer
  - 22 snowplows
  - Snow fencing to prevent drifting





# PARTNERSHIP WITH COLORADO STATE PATROL

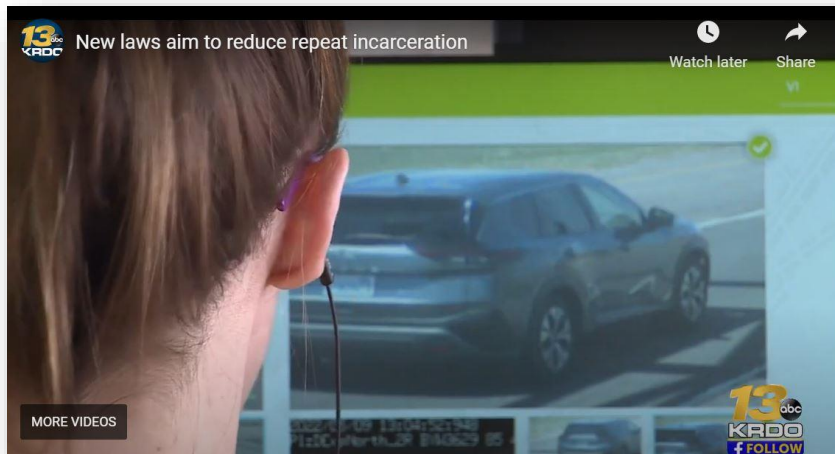
- Under contract since 1991 when first segment opened
- **Services provided:**
  - Speed/traffic enforcement
  - Incident management/investigation
  - Property damage citations
  - Child safety seat inspections
  - Coverage at special events
  - HAZMAT response





# PARTNERSHIP WITH COLORADO CORRECTIONAL INDUSTRIES

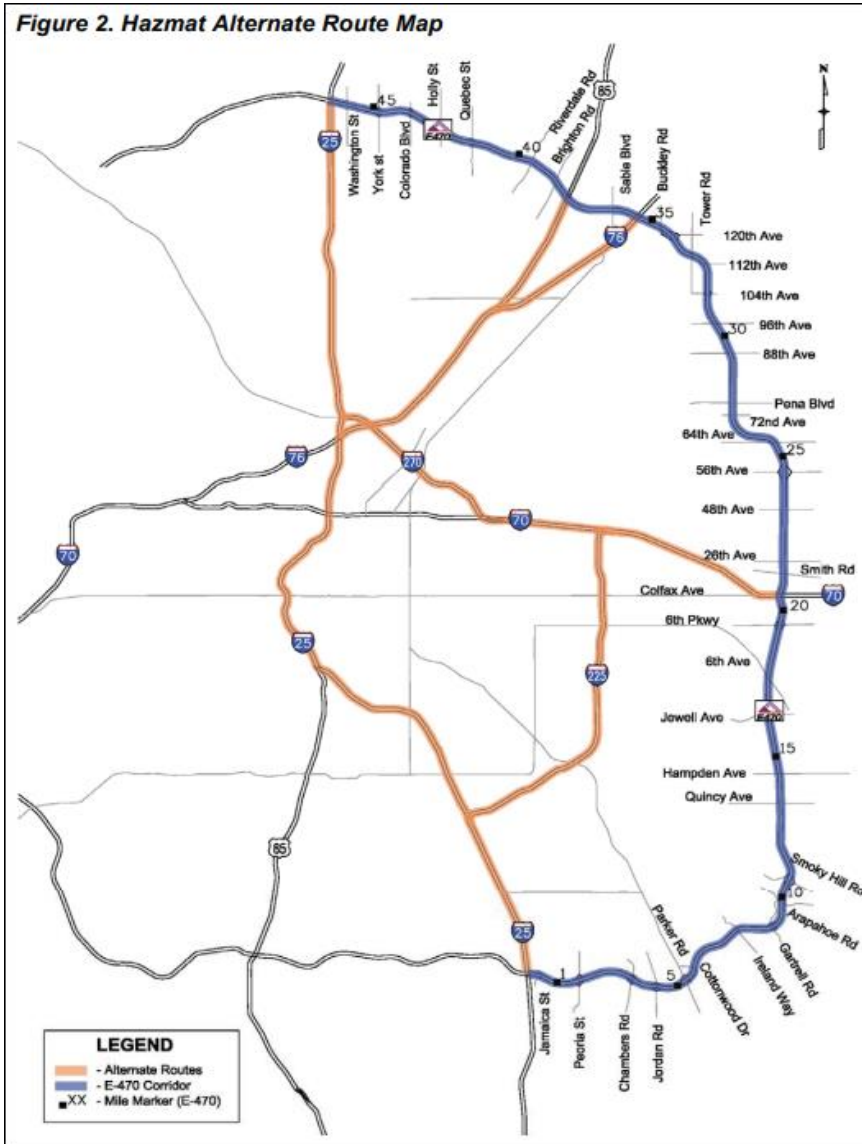
- Under contract since 2017 for **image review**:
  - Use of all CO tolling facilities increased & more Express Lanes opened
  - Review demands went up by **more than 30%**
- E-470 work program at Denver Women's Correction Facility:
  - Builds basic business/life skills
  - Better prepares individuals to re-enter society
  - Helps E-470 meet needs
- 32 individuals participating:
  - Each processes about **5,600 images per day**
  - Must have close to 99% accuracy rate





# COMMERCIAL VEHICLE SUPPORT

- E-470 named HAZMAT route
  - Effective Spring 2022
  - Created safer routes for neighboring jurisdictions and roadways
- Extended 3+ Axle Pilot Program
  - Offering discounts to commercial vehicles on E-470



# QUESTIONS?





# CONTACT US

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